

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-10-286  
Relating to Certification of New Motor Vehicles

FORD MOTOR COMPANY

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1985 model-year Ford Motor Company exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FFM2.3V5HCH6	140 (2.3)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

The following are the certification emission values for the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.31	2.4	0.6

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 20<sup>th</sup> day of August, 1984.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Ford Motor Company Executive Order No. A-10-286  
 Engine Family FFM2.3V5HCH6 Evaporative Family 5FM  
 Engine CID (Liters) 140 (2.3)

## ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TOC-Trip Oxidizer Continual  
 TOP-Trip Oxidizer Periodical  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 IC - Intercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 -Variable Venturi

VEHICLE MODELS:Vehicle LineBody TypeBody CodeFord

Tempo

2-Door  
4-Door

66D  
54D

Tempo L, GL, GLX

Mercury

Topaz

2-Door  
4-Door

66D

Topaz L, GS, LS

DRIVE SYSTEM: Front Engine/ Front -Wheel Drive

140 (2.3) I-4

Issue Date	7-13-84	16.03-3
Revised		

CID (Liter)- Type	140 (2.3) I-4
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Issue Date	7-13-84	16.03-4
Revised		

x Passenger Cars    \_\_\_ Light-Duty Trucks    \_\_\_ Medium-Duty Vehicles    x Gas    \_\_\_ Diesel

Manufacturer Ford

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Engine Family FFM2.3V5HCH6

Engine  
Code 5-25P-R00

ECS (Special Features) EGR/AIP/TWC/EEC/CL/CFI

CID (Liter)- Type	140 (2.3) I-4
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Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System EEC IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Identifying Part
5-25P-ROOA	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	M5	2750	E53F-12A650-MA	E53E-9C973-AC	E53E-9F483-AC	E5AE-9C485-
5-25P-ROON	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D		2750 2875 2750 2875				

Comments: See page one for abbreviations and evaporative emission family identification.

\*DPA values are all 6.3 HP (non-A/C)

Engine Family F2.3VCH

Issue Date	10/17/84	16.03-5
Revised		

☒ Passenger Cars    ☐ Light-Duty Trucks    ☐ Medium-Duty Vehicles    ☒ Gas    ☐ Diesel

Manufacturer Ford Motor Company

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Engine Family FFM2.3V5HCH6

Engine  
Code

ECS (Special Features) EGR/AIP/TWC/EEC/CL(CFI)

CID (Liter)-  
Type

140 (2.3) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Hp)	Trans.	Equiv. Test Weight	Ign. System EEC-IV Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Label Ident Part
5-26R-R11A	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	AT	2875	E53F-12A650-EA	E53E-9C973-DB	E53E-9F483-BC	E5AE-9C CHE
5-26R-R11N	FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D		2750 2875				
5-25Q-R10A	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	MTX-5	2875	E53F-12A650-GA	E53E-9C973-CB	E53E-9F483-AC	E5AE-9C CEY
5-25Q-R10N	FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D		2750 2875				

Comments: See page one for abbreviations and evaporative emission family identification.

\*All DPA values are: 6.3 non-A/C

Engine Family F2.3VCH

Issue Date 10-17-84

16.03-7

Revised

E.O. #A-10-286

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars    ☐ Light-Duty Trucks    ☐ Medium-Duty Vehicles    ☒ Gas    ☐ Diesel

Manufacturer Ford Motor Company

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Engine Family FFM2.3V5HCH6

Engine Code 5-26R-R16

ECS (Special Features) EGR/AIP/TWC/EEC/CL/CFI

CID (Liter)-Type 140 (2.3) I-4

Engine Code	Vehicle Models (If Coded see attachment) (Non-A/C Dyno Rp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
5-26R-R16A	FTPZ-66D FTPZ-54D MTPZ-66D MTPZ-54D	AT (A3)	2875  3000	E63F-12A650-TJE	E63F-9C973-FA	E53E-9F483-BC	E5AE-9C485-CUZ
5-26R-R16N	FTPZ-66D FTPZ-54D MTPZ-54D MTPZ-66D		2750				

Comments: See page one for abbreviations and evaporative emission family identification.

R/c 2.3P-17 081385

Engine Family F2.3 VCH